

ABSTRACT OF THE DISCLOSURE

Gas Hot-Water-Tank Air Flow Control Mechanism.

The basis of the mechanism is a horizontally hinged portal that is mounted within a housing that is set in the collar surrounding the bottom of the tank. The collar is so placed, with seal between top edge of collar and tank and bottom edge of collar and floor, such that air-flow can only access fire-box through the portal. The material for all components must be non-flammable with the swinging portal being of sufficiently light material, and delicately hinged and balanced to respond to the force of the draft created by the flame.